

R&S®HL033

Log-Periodic Broadband Antenna

80 MHz to 2 GHz

Detection and measurement of RF signals



Features

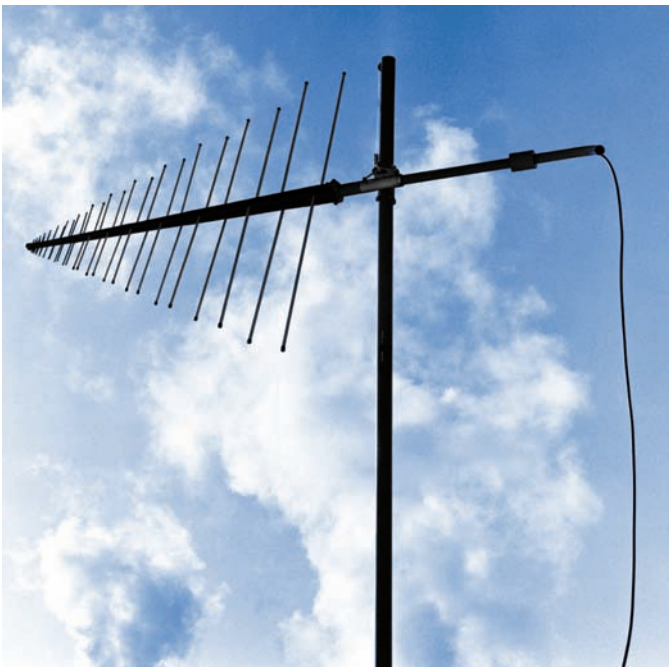
- Extremely broadband
- Only one antenna required to cover a wide frequency range
- Low frequency-dependence of radiation patterns and input impedance
- Can be used as transmit antenna
- Metal parts electrically connected to mast flange for protection against electric charges and lightning
- Highly weatherproof
- Stable installation due to optional center bracket
- Individual calibration in line with ANSI C63.5

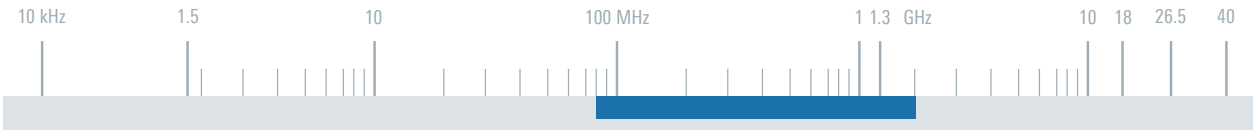
Brief description

In conjunction with a test or monitoring receiver, the R&S®HL033 can be used for versatile applications, e.g. field-strength measurements or determination of direction of incidence and signal polarization.

Each antenna is individually calibrated. A CD-ROM with calibration data is supplied with the antenna.

The R&S®HL033 can also be used as a transmit antenna in the entire frequency range.





Specifications	
Frequency range	80 MHz to 2 GHz
Polarization	linear
Input impedance	50 Ω
VSWR	≤2
Max. input power (T _A = +30°C)	
80 MHz	460 W + 100% AM
100 MHz	430 W + 100% AM
500 MHz	210 W + 100% AM
1000 MHz	160 W + 100% AM
1500 MHz	140 W + 100% AM
2000 MHz	120 W + 100% AM

Gain	typ. 6.5 dBi
Connector	N female
MTBF	>1 000 000 h
Operating temperature range	-40°C to +65°C
Max. wind speed	150 km/h (without ice deposit)
Dimensions (L x W)	approx. 1800 mm x 1960 mm (approx. 70.9 in x 77.2 in)
Weight	approx. 5 kg (approx. 11 lb)

Ordering information	Type	Order No.
Broadband Antenna	R&S®HL033	4062.6608.03
Recommended extras		
Adapter for center support	R&S®HL033M	4062.7585.02

